	A(4-F6E7, 12-B1E) G(2-A2C)
1999.07.30 1999-2166.36(+1999JP-2166.36) (2001.02.13) CUSF 20130, 2/46, 290/00, C09D 4/02	For forming coating films.
Active energy ray cutting result composition, used as meaning coating films, comprises (meth)acrylester having carbamate groups C2001-090726	ADVANTAGE Flexible coating films can be obtained.
NOVELTY A new active energy ray curing composition comprises a (meth)acrylester having carbamate groups.	EXAMPLE 2-[(2-acryloyloxy)ethylcarbamoyloxy]ethylacrylate (monomer) was prepared as follows: ethylene carbonate and ethanolamine were
DETAILED DESCRIPTION  A new active energy ray curing composition comprises a (meth)acrylester of formula (1) having carbamate groups.	in the presence of an esterification catalyst of p-toluene sulphonic acid. A curing composition was prepared by mixing the monomer (50 wt.pts), a urethane acrylate oligomer (50 wt.pts) and an initiator (3 wt.pts).
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	w.p.s.). <u>TECHNOLOGY FOCUS</u> Polymers - X in formula (1) is formula (2) or (3).
R <sup>1</sup> = H or methyl group; X = hydrocarbon group having 2-4C main chain	
USE	JP 2001040039-A+

Best Available Copy

JP 2001040039-A ල --CH<sub>2</sub>-CH- $R^2 = H \text{ or } 1.4C \text{ alkyl group}$  (6pp056DwgNo.0/0) ——CH-CH<sub>2</sub> (2)

Best Available Copy